Notice of Allowability	Application No.	Applicant(s)	
	10/075,830	BATZ ET AL.	
	Examiner	Art Unit	
	Blanche Wong	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *May 17, 2006*.

2. ☒ The allowed claim(s) is/are *1,2,4,6-9(renumbered 1-7);11,12,14,16-19(renum 9-15);21,22,24,26-29(renum 17-23);31,32,34,36-39 (renum 25-31);41,42,44,46-49 (renum 33-39);51-55 (renum 8,16,24,32,40)(all respectively)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *May'06* .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas J. Frame (Reg. No. 47,232) on May 22, 2006 and on May 24, 2006.

The application has been amended as followed:

- Claims 3,5,13,15,23,25,33,35,43,45 have been canceled.
- New claims 51-55 have been added as shown below.

1. (Currently Amended) An apparatus for communicating in a wireless application protocol (WAP) network environment, comprising:

a WAP gateway ~~operable to position~~positioning an identifier into a request packet;

a content switch coupled to the WAP gateway, ~~operable to identify~~identifying the identifier and ~~to correlate~~correlating the identifier to a source that generated the request packet, ~~the content switch being further operable to receive~~and further receiving the request packet and ~~to position~~positioning an internet protocol (IP) address associated with the source in the request packet before communicating the request packet to a next destination; and

~~a database coupled to the content switch and operable to store a table that includes one or more identifiers that correlate to one or more sources respectively, and~~

~~wherein each of the sources is operable to generate one or more request packets in the WAP network environment.~~

a client service packet gateway (CSPG) receiving the request packet after the IP address associated with the source has been positioned by the content switch and matching one or more IP addresses with one or more source profiles in order to provide one or more networking services to one or more selected sources;

wherein the matching is performed by the CSPG by proxying RADIUS flows associated with a selected one or more sources.

2. (Currently Amended) The apparatus of Claim 1, wherein the content switch comprises a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources ~~is operable to generate~~is generating one or more request packets in the WAP network environment.

3. (Canceled)

4. (Currently Amended) The apparatus of Claim ~~3~~1, wherein the matching is performed by the CSPG by accessing and querying a database.

5. (Canceled)

6. (Currently Amended) The apparatus of Claim ~~3~~1, further comprising an authentication, authorization, and accounting (AAA) server coupled to the CSPG ~~and operable to authenticate~~ , authenticating the source associated with the request packet.

7. (Currently Amended) The apparatus of Claim 6, wherein the AAA server ~~operates to authorize~~authorizing the source associated with the request packet.

8. (Currently Amended) The apparatus of Claim 6, wherein the AAA server ~~operates to provide~~providing accounting services for the source associated with the request packet.

9. (Currently Amended) The apparatus of Claim 1, further comprising a radio access network (RAN) packet gateway ~~operable to provide~~providing a communications link between a mobile station associated with the source and the WAP gateway.

10. (Canceled)

11. (Currently Amended) A method for communicating in a wireless application protocol (WAP) network environment, comprising:

receiving a request packet;

positioning an identifier into the request packet;

identifying the identifier and correlating the identifier to a source that generated the request packet;

positioning an internet protocol (IP) address associated with the source in the request packet before communicating the request packet to a next destination; ~~and~~

~~storing a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is operable to generate one or more request packets in the WAP network environment.~~

receiving the request packet after the IP address associated with the source has been positioned; and

matching one or more IP addresses with one or more source profiles in order to provide one or more networking services to one or more selected sources;

wherein the matching is performed by proxying RADIUS flows associated with a selected one or more sources.

12. (Currently Amended) The method of Claim 11, further comprising providing a table that includes one or more identifiers that correlate to one or more sources respectively, wherein each of the sources ~~is operable to generate~~is generating one or more request packets in the WAP network environment.

13. (Canceled)

14. (Currently Amended) The method of Claim ~~13~~11, wherein the matching is performed by accessing and querying a database.

15. (Canceled)

16. (Currently Amended) The method of Claim ~~13~~11, further comprising authenticating the source associated with the request packet.

20. (Canceled)

21. (Currently Amended) A system for communicating in a wireless application protocol (WAP) network environment, comprising:

means for receiving a request packet;

means for positioning an identifier into the request packet;

means for identifying the identifier and correlating the identifier to a source that generated the request packet;

means for positioning an internet protocol (IP) address associated with the source in the request packet before communicating the request packet to a next destination; ~~and~~

~~means for storing a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is operable to generate one or more request packets in the WAP network environment.~~

means for receiving the request packet after the IP address associated with the source has been positioned; and

means for matching one or more IP addresses with one or more source profiles in order to provide one or more networking services to one or more selected sources;

wherein the matching is performed by proxying RADIUS flows associated with a selected one or more sources.

22. (Currently Amended) The system of Claim 21, wherein the means for identifying the identifier comprises a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources ~~is operable to generate~~is generating one or more request packets in the WAP network environment.

23. (Canceled)

24. (Currently Amended) The system of Claim ~~23~~21, wherein the matching is performed by accessing and querying a database.

25. (Canceled)

26. (Currently Amended) The system of Claim ~~23~~21, further comprising means for authenticating the source associated with the request packet.

30. (Canceled)

31. (Currently Amended) Software embodied in a computer readable media ~~and operable to~~:

~~receive~~receiving a request packet;

~~position~~positioning an identifier into the request packet;

~~identify~~identifying the identifier and ~~correlate~~correlating the identifier to a source that generated the request packet;

~~position~~positioning an internet protocol (IP) address associated with the source in the request packet before communicating the request packet to a next destination; ~~and~~

~~store a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is operable to generate one or more request packets in the WAP network environment.~~

receiving the request packet after the IP address associated with the source has been positioned; and

matching one or more IP addresses with one or more source profiles in order to provide one or more networking services to one or more selected sources;

wherein the matching is performed by proxying RADIUS flows associated with a selected one or more sources.

32. (Currently Amended) The software of Claim 31, wherein the software ~~operable to identify~~identifying the identifier comprises a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources ~~is operable to generate~~is generating one or more request packets in the WAP network environment.

33. (Canceled)

34. (Currently Amended) The software of Claim ~~33~~31, wherein the matching is performed by accessing and querying a database.

35. (Canceled)

36. (Currently Amended) The software of Claim ~~33~~31, further ~~operable to~~ ~~authenticate~~authenticating the source associated with the request packet.

37. (Currently Amended) The software of Claim 36, further ~~operable to~~ ~~authorize~~authorizing the source associated with the request packet.

38. (Currently Amended) The software of Claim 36, further ~~operable to~~ ~~provide~~providing accounting services for the source associated with the request packet.

39. (Currently Amended) The software of Claim 31, further ~~operable to~~ ~~provide~~providing a communications link for a mobile station associated with the source.

40. (Canceled)

41. (Currently Amended) An apparatus for communicating in a wireless application protocol (WAP) network environment, comprising:

a content switch coupled to a WAP gateway, ~~operable to identify~~identifying an identifier positioned in a request packet by the WAP gateway and ~~to correlate~~correlating the identifier to a source that generated the request packet, and further ~~operable to receive~~receiving the request packet and ~~to position~~positioning an internet protocol (IP) address associated with the source in the request packet before communicating the request packet to a next destination; and

~~a database coupled to the content switch and operable to store a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources is operable to generate one or more request packets in the WAP network environment.~~

a client service packet gateway (CSPG) receiving the request packet after the IP address associated with the source has been positioned by the content switch and matching one or more IP addresses with one or more source profiles in order to provide one or more networking services to one or more selected sources;

wherein the matching is performed by the CSPG by proxying RADIUS flows associated with a selected one or more sources.

42. (Currently Amended) The apparatus of Claim 41, wherein the content switch comprises a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources ~~is operable to generate~~is generating one or more request packets in the WAP network environment.

43. (Canceled)

44. (Currently Amended) The apparatus of Claim ~~43~~41, wherein the matching is performed by the CSPG by accessing and querying a database.

45. (Canceled)

46. (Currently Amended) The apparatus of Claim ~~43~~41, further comprising an authentication, authorization, and accounting (AAA) server coupled to the CSPG ~~and operable to~~, authenticating the source associated with the request packet.

47. (Currently Amended) The apparatus of Claim 46, wherein the AAA server ~~operates to authorize~~authorizing the source associated with the request packet.

48. (Currently Amended) The apparatus of Claim 46, wherein the AAA server ~~operates to provide~~providing accounting services for the source associated with the request packet.

49. (Currently Amended) The apparatus of Claim 41, further comprising a radio access network (RAN) packet gateway ~~operates to provide~~providing a communications link between a mobile station associated with the source and the WAP gateway.

50. (Canceled)

51. (New) The apparatus of Claim 1, further comprising a database coupled to the content switch, storing a table that includes one or more identifiers that correlate to one or more sources respectively, and wherein each of the sources is generating one or more request packets in the WAP network environment.

52. (New) The method of Claim 11, further comprising storing a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is generating one or more request packets in the WAP network environment.

53. (New) The system of Claim 21, further comprising means for storing a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is generating one or more request packets in the WAP network environment.

54. (New) The software of Claim 31, further storing a table that includes one or more identifiers that correlate to one or more sources respectively in a database, and wherein each of the sources is generating one or more request packets in the WAP network environment.

55. (New) The apparatus of Claim 41, further comprising a database coupled to the content switch, storing a table that includes one or more identifiers that correlate to

one or more sources respectively, and wherein each of the sources is generating one or more request packets in the WAP network environment.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blanche Wong whose telephone number is 571-272-3177. The examiner can normally be reached on Monday through Friday, 830am to 530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BW
May 24, 2006

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